

An Invitation to  
Membership

**SOCIETY FOR THE STUDY OF  
AMPHIBIANS AND REPTILES**

**Programs**

•

**Membership**

•

**Publications**



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## An Invitation to Membership

THE SOCIETY FOR THE STUDY OF AMPHIBIANS AND REPTILES—an association of biologists from more than 60 countries—invites you to enroll as a member. By joining, you will participate in the expansion of an already extensive program of publications and activities for herpetologists.

SSAR, the largest international herpetological society, is a not-for-profit organization established to advance research, conservation, and education concerning amphibians and reptiles. Founded in 1958, SSAR is widely recognized today as having the most diverse society-sponsored program of services and publications for herpetologists. Membership is open to anyone with an interest in herpetology—professionals and serious amateurs alike—who wish to join with us to advance the goals of the Society.

LYNNE D. HOUCK  
President

## PROGRAMS

PUBLICATIONS: SSAR now publishes seven different series. Two of them, *Journal of Herpetology* (see page 10) and *Herpetological Review* (page 9), are sent to all members. Four of the other serials—*Facsimile Reprints* (page 6), *Herpetological Circulars* (page 10), *Contributions to Herpetology* (page 4), and *Catalogue of American Amphibians and Reptiles* (page 12)—can be purchased separately, but SSAR members are offered substantial discounts on all publications, except for the *Catalogue*, which is offered by subscription. A seventh series, *Herpetological Conservation*, has just been established by the Society. A list of selected SSAR publications is provided on pages 3–12.

ACTIVITIES: An annual meeting is held late each summer on a university campus in North America. The facilities are comfortable and inexpensive. Contributed papers, symposia, poster sessions, workshops, field trips, and many academic and commercial exhibits make this week-long event the major professional herpetological meeting each year. In 1994, SSAR will meet at the University of Georgia on the Piedmont Plateau of northeastern Georgia, and in 1995 at Appalachian State University in the picturesque Blue Ridge Mountains of western North Carolina.

Many Society activities are coordinated by committees that often have international membership. These committees are listed on the inside front cover. Each year the Grants-in-Herpetology

Committee awards modest grants to individuals and organizations throughout the world in support of herpetological research, conservation, and education.

In its role as a society of biologists, and in keeping with the purpose of the SSAR as established in its constitution, the Society has supported other activities, such as financial aid to *Zoological Record*; arranging for sponsors for overseas members; contributions toward the legal defense of laws protecting the teaching of evolution; assistance in setting up new herpetological societies; and donations for the purchase of tracts of land in the Monteverde Cloud Forest in Costa Rica. The Society made a substantial grant in 1993 to support the Second World Congress of Herpetology.

## MEMBERSHIP

All members of the SSAR are entitled to vote by mail ballot for Society officers, which allows overseas members to participate in determining the Society's activities; also, many international members attend the annual meetings and serve on editorial boards and committees. All members receive the Society's primary technical publication, the *Journal of Herpetology*, and its newsletter, *Herpetological Review*; both are published four times per year. Members also receive pre-publication discounts on other Society publications, which are advertised in *Herpetological Review*.

By joining as a member, an individual contributes significantly to SSAR's program and helps the Society to expand further its wide range of activities for the herpetological community.

**ANNUAL DUES AND SUBSCRIPTIONS:** The fees for individual memberships and institutional subscriptions are as follows:

<input type="checkbox"/> Individual membership	US\$40
<input type="checkbox"/> Student membership	30
<input type="checkbox"/> Family membership	55
<input type="checkbox"/> Institutional subscription	70
<input type="checkbox"/> Additional fee for air mail postage outside USA	35
Subscription to the <i>Catalogue of American Amphibians and Reptiles</i> :	
<input type="checkbox"/> Individuals	20
<input type="checkbox"/> Institutions	25

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Payment must be made in USA funds, payable to "SSAR," or by International Money Order, or with VISA and MasterCard (account number and expiration date must be provided).

To join the SSAR or to subscribe to the *Catalogue*, please indicate type of membership or subscription (mark desired option on page 2) and send this form or a copy of it, with payment, to:

Karen L. Toepfer, SSAR Treasurer,  
P.O. Box 626, Hays, Kansas 67601-0626, USA.  
*Telephone:* area code 913, 628-1437.  
*Fax:* area code 913, 625-8890.



## PUBLICATIONS

Society publications may be purchased from:

Robert D. Aldridge, SSAR Publications Secretary,  
Department of Biology, St. Louis University,  
3507 Laclede Avenue, St. Louis, Missouri 63103, USA.  
*Telephone:* area code 314, 658-3900 or 658-3916.  
*Fax:* area code 314, 658-3117.

Prices are effective through December 1994. Please make checks payable to "SSAR." Shipments sent at customer's risk; however, packages can be insured at cost (see below). Overseas orders must be paid in USA funds using a draft drawn on American banks (include an additional amount to cover bank conversion charges) or by International Money Order. Orders may be charged to MasterCard or VISA (account number and expiration date must be provided). Items marked "out-of-print" are no longer available. This brochure lists selected publications only; a complete list is available on request from Dr. Aldridge.

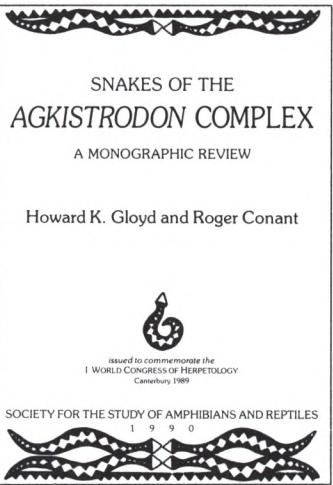
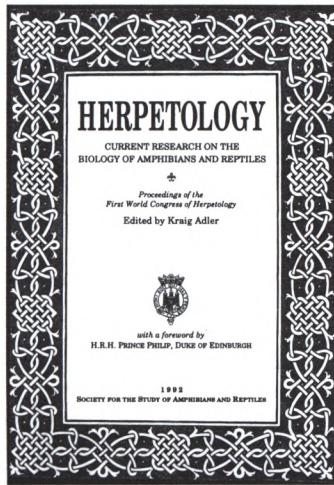
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## CONTRIBUTIONS TO HERPETOLOGY

Book-length monographs, comprising taxonomic revisions, results of symposia, faunal reviews, and other major works. Pre-publication discount to Society members.

No. 1. *Reproductive Biology and Diseases of Captive Reptiles*, by James B. Murphy and Joseph T. Collins (eds.). 1980. Results of an SSAR-sponsored symposium, including papers by 37 leading specialists. 287 p., illus. Out-of print.

No. 2. *The Turtles of Venezuela*, by Peter C. H. Pritchard and Pedro Trebbau. 1984. An exhaustive natural history covering half of the turtle species of South America, with worldwide checklist of turtle genera and species. 414 p., 48 color plates (25 watercolor portraits by Giorgio Voltolina and 165 photographs of turtles and habitats) measuring 21.5 x 28 cm, keys, 16 maps. Regular edition, clothbound \$45.00; patron's edition, two leatherbound volumes in cloth-covered box, signed and numbered by authors and artist \$300.00. (Also: set of the 25 color prints of turtle portraits on heavy paper stock. \$30.00.)

No. 3. *Introduction to the Herpetofauna of Costa Rica / Introducción a la Herpetofauna de Costa Rica*, by Jay M. Savage and Jaime Villa R. 1986. Bilingual edition in English and Spanish, with distribution checklist, bibliographies, and extensive illustrated keys. 220 p., one color plate, map. Clothbound \$30.00.

No. 4. *Studies on Chinese Salamanders*, by Ermi Zhao, Qixiong Hu, Yaoming Jiang, and Yuhua Yang. 1988. Evolutionary review of all Chinese species with keys, diagnostic figures, and distribution maps. 80 p., 7 plates (including 10 color photographs of salamanders and habitats). Clothbound \$12.00.

No. 5. *Contributions to the History of Herpetology*, by Kraig Adler, John S. Applegate, and Ronald Altig. 1989. Biographies of 152 prominent herpetologists (with portraits and signatures), index to 2500 authors in taxonomic herpetology, and academic lineages of 1450 herpetologists. International coverage. 202 p., 148 photographs, 1 color plate. Clothbound \$20.00.

No. 6. *Snakes of the Agkistrodon Complex: A Monographic Review*, by Howard K. Gloyd and Roger Conant. 1990. Comprehensive treatment of 33 taxa of pitvipers included in four genera: *Agkistrodon* of

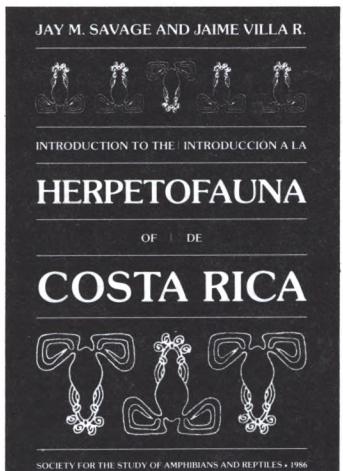
Asia and America, *Calloselasma* of Southeast Asia and Java, *Deinagkistrodon* of China, and *Hypnale* of India and Sri Lanka. Also includes nine supplementary chapters by leading specialists. 620 p., 33 color plates (247 photographs of snakes and habitats), 20 uncolored plates, 60 text figures, checklist and keys, 6 charts, 28 maps. Clothbound \$75.00. (Also: separate set of the 247 color photographs of snakes and habitats [on 32 plates], in protective wrapper. \$30.00.)

No. 7. *The Snakes of Iran*, by Mahmoud Latifi. 1991. Review of the 60 species of Iranian snakes, covering general biology, venoms, and snake bite. Appendix and supplemental bibliography by Alan E. Leviton and George R. Zug. 167 p., 22 color plates of snakes (66 figures), 2 color relief maps, 44 species range maps. Clothbound \$22.00.

No. 8. *Handbook to Middle East Amphibians and Reptiles*, by Alan E. Leviton, Steven C. Anderson, Kraig Adler, and Sherman A. Minton. 1992. Annotated checklist, illustrated key, and identification manual covering 148 species and subspecies found in the region extending from the Turkish border south through the Arabian Peninsula (including Bahrain, Qatar, and United Arab Emirates) and the Arabian (Persian) Gulf. Chapters on venomous snakes and snakebite treatment plus extensive bibliography; appendix by John E. Simmons on collecting and preserving techniques. 264 p., 32 color plates (220 photographs), maps, text figures. Clothbound \$28.00.

No. 9. *Herpetology: Current Research on the Biology of Amphibians and Reptiles*. 1992. Proceedings of the First World Congress of Herpetology (1989), with a foreword by H.R.H. Prince Philip, Duke of Edinburgh. Includes the revised and updated plenary lectures (by Carl Gans, Ilya S. Darevsky, Linda E. R. Maxson, Russell A. Mittermeier and others, Timothy R. Halliday, Armand J. de Ricqlès, S. Donald Bradshaw, Eric R. Pianka, and David B. Wake), an illustrated summary of the congress, and a list of delegates with their current addresses. 225 p., 28 photographs. Clothbound \$28.00.

No. 10. *Herpetology of China*, by Ermi Zhao and Kraig Adler. 1993. Comprehensive review of Chinese amphibians and reptiles, including Hong Kong and Taiwan. 522 p., 48 color plates (371 photographs, including all 164 genera, 330 species and representative habitats), color frontispiece, portraits, keys, text figures, maps, annotated bibliography, gazetteer; appendix by John E. Simmons on collecting and preserving techniques. Clothbound \$60.00.



## HERPETOLOGY OF CHINA

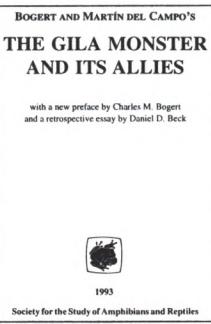
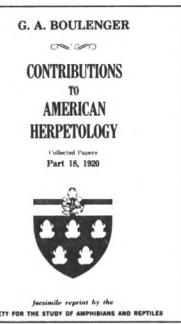
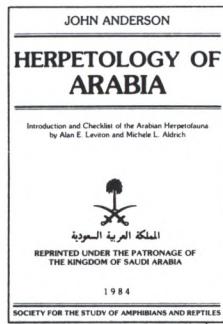
BY ER-MI ZHAO AND KRAIG ADLER

中国两栖爬行动物学

赵尔宓 鹰 岩 合著



蛇蛙研究会与中国蛇蛙研究会出版·一九九三年  
Published in 1993 by Society for the Study of Amphibians and Reptiles  
in cooperation with Chinese Society for the Study of Amphibians and Reptiles



## FACSIMILE REPRINTS IN HERPETOLOGY

Exact reprints of classic and important books and papers. Most titles have extensive new introductions by leading authorities. Pre-publication discount to Society members.

ANDERSON, J. 1896. *Contribution to the Herpetology of Arabia*. Introduction and new checklist of Arabian amphibians and reptiles by Alan E. Leviton and Michele L. Aldrich. 160 p., illus. (one plate in color), map. Clothbound \$25.00.

BELL, T. 1842-1843. *Herpetology of the "Beagle."* Part 5 of Charles Darwin's classic, "Zoology of the Voyage of H.M.S. Beagle," containing descriptions of amphibians and reptiles collected on the expedition. Introduction by Roberto Donoso-Barros. 100 p., 20 plates (measuring 21.5 x 28 cm), map. Paperbound \$13.00, clothbound \$18.00.

BOGERT, C. M., and R. MARTÍN DEL CAMPO. 1956. *The Gila Monster and Its Allies*. The standard work on lizards of the family Helodermatidae. New preface by Charles M. Bogert and retrospective essay by Daniel D. Beck. 262 p., color plate, 62 photographs, 35 text figures, index. Clothbound \$38.00.

BOJANUS, L. H. 1819-1821. *Anatome Testudinis Europaeae*. The standard atlas of turtle anatomy. Introduction by Alfred Sherwood Romer. 200 p., 40 fold-out plates. Out-of-print.

BOULENGER, G. A. 1877-1920. *Contributions to American Herpetology*. A collection of 147 papers (from various journals) covering North, Central, and South American species, with an introduction by James C. Battersby. Complete in 18 parts totalling 880 p., numerous illustrations, index. Paperbound. Complete set: 18 parts plus Index and Tables of Contents, in parts as issued, \$55.00.

BULLETIN OF THE ANTIVENIN INSTITUTE OF AMERICA. Volumes 1-5, 1927-1932. Introduction by Sherman A. Minton. 575 p., 163 photographs, maps, index. Out-of-print.

CAMP, C. L. 1923. *Classification of the Lizards*. The foundation of modern lizard systematics. New preface by author and an introduction by Garth Underwood. 220 p., 112 figures, index. Out-of-print.

CHANG, M. L. Y. 1936. *Amphibiens Urodèles de la Chine*. The classic work on Chinese salamanders, with a new checklist by Arden H. Brame. 168 p., illus., 5 plates. Out-of-print.

COPE, E. D. 1864. *Papers on the Higher Classification of Frogs*. Reprinted from Proceedings of the Academy of Natural Sciences of Philadelphia and Natural History Review. 32 p. Paperbound \$3.00.

COPE, E. D. 1871. *Catalogue of Batrachia and Reptilia Obtained by*

*McNiel in Nicaragua; Catalogue of Reptilia and Batrachia Obtained by Maynard in Florida*. 8 p. Paperbound \$1.00.

COPE, E. D. 1892. *The Osteology of the Lacertilia*. An important contribution to lizard anatomy, reprinted from Proceedings of the American Philosophical Society. 44 p., 6 plates. Paperbound \$4.00.

COWLES, R. B., and C. M. BOGERT. 1944. *A Preliminary Study of the Thermal Requirements of Desert Reptiles*. The foundation of thermoregulation biology, with extensive review of recent studies by F. Harvey Pough. Reprinted from Bulletin of American Museum of Natural History. 52 p., 11 plates. Paperbound \$5.00.

DUNN, E. R. 1926. *Salamanders of the Family Plethodontidae*. A recognized classic treatment of the plethodontid salamanders, including tropical and European species. Introductions by David B. Wake and Arden H. Brame. 480 p., illus., 3 plates, 86 maps, index. Out-of-print.

ESCHSCHOLTZ, F. 1829-1833. *Zoologischer Atlas* (herpetological sections). Descriptions of new reptiles and amphibians from California and the Pacific. Introduction by Kraig Adler. 32 p., 4 plates (measuring 21.5 x 28 cm). Paperbound \$3.00.

ESPADA, M. JIMÉNEZ DE LA. 1875. *Vertebrados del Viaje al Pacífico: Batracios*. Major taxonomic work on South American frogs. Introduction by Jay M. Savage. 208 p., 6 plates, maps. Clothbound \$20.00.

FAUVEL, A.-A. 1879. *Alligators in China*. Original description of *Alligator sinensis*, including classical and natural history. 42 p., 3 plates. Paperbound \$5.00.

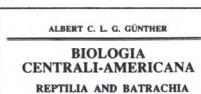
FITZINGER, L. J. 1843. *Systema Reptilium*. An important nomenclatural landmark for herpetology, including Amphibia as well as reptiles; world-wide in scope. Introduction by Robert Mertens. 128 p., index. Paperbound \$15.00.

GLOYD, H. K. 1940. *The Rattlesnakes, Genera Sistrurus and Crotalus*. Introduction and new checklist by Hobart M. Smith and Herbert M. Harris. 300 p., plus 31 plates of photographs, index. Out-of-print.

GRAY, J. E. 1825. *A Synopsis of the Genera of Reptiles and Amphibia*. Reprinted from Annals of Philosophy. 32 p. Paperbound \$3.00.

GRAY, J. E. 1831-1844. *Zoological Miscellany*. A privately printed journal, devoted mostly to descriptions of amphibians, reptiles, and birds from throughout the world. Introduction by Arnold G. Kluge. 86 p., 4 plates. Paperbound \$6.00, clothbound \$10.00.

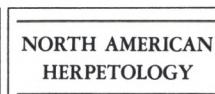
GÜNTHER, A. 1885-1902. *Biologia Centrali-Americanana. Reptilia and Batrachia*. The standard work on Middle American herpetology with 76 full-page plates measuring 21.5 x 28 cm (12 in color). Introductions by Hobart M. Smith, A. E. Gunther, and Kraig Adler. 575 p., photographs, maps. Clothbound \$50.00. (Also: separate set of the 12 color plates, in protective wrapper \$18.00.)



With introductions by Hobart M. Smith and A. E. Gunther

1987

SOCIETY FOR THE STUDY OF AMPHIBIANS AND REPTILES



by JOHN EDWARDS HOLBROOK

1976

SOCIETY FOR THE STUDY OF AMPHIBIANS AND REPTILES



with a new introduction by Ernest E. Williams

SOCIETY FOR THE STUDY OF AMPHIBIANS AND REPTILES • 1976



## JOURNAL OF HERPETOLOGY

The Society's official scientific journal, international in scope. Issued quarterly as part of Society membership. Issues are paperbound, about 125 pages, 18 x 25.5 cm, extensively illustrated.

Volume 1 (1968), numbers 1-4 combined.

Volumes 2-5 (1968-1971), numbers 1-2 and 3-4 combined, \$6.00 per double number.

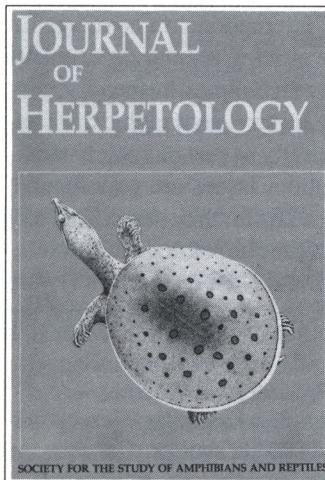
Volume 6 (1972), numbers 1, 2, and double number 3-4.

Volumes 7-27 (1973-1993), four numbers in each volume, \$6.00 per single number.

*Note:* A discount of 50% applies if 5 volumes or more are ordered.

The following volumes and numbers are out-of-print and are *no longer available*: Volume 1, 2, 3, 4, 5(3, 4), 6, 7(1), 8(1), 9(1, 2, 4), 11(4), and 12(1, 2).

Cumulative Index for Volumes 1-10 (1968-1976), 72 pages, \$7.00.



**SOME RECENT TITLES**

A Symposium on Amphibian Declines and Habitat Acidification  
Two New Toads (Bufonidae: *Rhombophryne*) from the Northern Andes of Colombia  
Subterranean Predation on Pine Snakes (*Pituophis melanoleucus*)  
Size in Relation to Sex, Hybridity, Ploidy, and Breeding Dynamics in Central Ontario Populations of the *Ambystoma laterale*-*jeffersonianum* Complex  
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Population Biology of the Frog *Leptodactylus pentadactylus* in a Central Amazonian Rainforest  
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Effects of Egg Size and Density on Metamorphic Traits in Tadpoles of the Natterjack Toad (*Bufo calamita*)  
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The Comparative Ecology of Voiced and Voiceless Bornean Frogs  
Natural History of Australian Typhlopidae Snakes  
Genetic Variation in Tolerance of Amphibians to Low pH  
Aggressive Interactions and Chemical Communication Between Adult and Juvenile Salamanders  
The Impact of the Introduction of the Colubrid Snake *Boiga irregularis* on Guam's Lizards  
Variability of Venom-neutralizing Properties of Serum from Snakes of the Colubrid Genus *Lampropeltis*  
Food Habits and Reproductive Biology of the Pacific Island Boas (*Candoia*)

## HERPETOLOGICAL CIRCULARS

Publications of interest for the herpetological community and public; all paperbound. Pre-publication discount to Society members.

No. 1. *A Guide to Preservation Techniques for Amphibians and Reptiles* by George R. Pisani. 1973. 22 p., illus. \$3.00.

No. 2. *Guía de Técnicas de Preservación de Anfibios y Reptiles* por George R. Pisani y Jaime Villa. 1974. 28 p., illus. \$3.00.

No. 3. *Collections of Preserved Amphibians and Reptiles in the United States* compiled by David B. Wake (chair) and the Committee on Resources in Herpetology. 1975. 22 p. Out-of-print.

No. 4. *A Brief Outline of Suggested Treatments for Diseases of Captive Reptiles* by James B. Murphy. 1975. 13 p. \$3.00.

No. 5. *Endangered and Threatened Amphibians and Reptiles in the United States* compiled by Ray E. Ashton, Jr. (chair) and 1973-74 SSAR Regional Herpetological Societies Liaison Committee. 1976. 65 p. Out-of-print.

No. 6. *Longevity of Reptiles and Amphibians in North American Collections* by J. Kevin Bowler. 1977. 32 p. \$3.00. (See also number 21.)

No. 7. *Standard Common and Current Scientific Names for North Amer-*

*ican Amphibians and Reptiles* (1st ed.) by Joseph T. Collins, James E. Huheey, James L. Knight, and Hobart M. Smith. 1978. 36 p. \$3.00. (See also numbers 12 and 19.)

No. 8. *A Brief History of Herpetology in North America Before 1900* by Kraig Adler. 1979. 40 p., 24 photographs, 1 map. \$3.00.

No. 9. *A Review of Marking Techniques for Amphibians and Reptiles* by John W. Ferner. 1979. 42 p., illus. \$3.00.

No. 10. *Vernacular Names of South American Turtles* by Russell A. Mittermeier, Federico Medem and Anders G. J. Rhodin. 1980. 44 p. \$3.00.

No. 11. *Recent Instances of Albinism in North American Amphibians and Reptiles* by Stanley Dyrkacz. 1981. 36 p. \$3.00.

No. 12. *Standard Common and Current Scientific Names for North American Amphibians and Reptiles* (2nd ed.) by Joseph T. Collins, Roger Conant, James E. Huheey, James L. Knight, Eric M. Rundquist, and Hobart M. Smith. 1982. 32 p. \$3.00. (See also numbers 7 and 19.)

No. 13. *Silver Anniversary Membership Directory*, including addresses of all SSAR members, addresses and publications of the herpetological societies of the world, and a brief history of the Society. 1983. 56 p., 4 photographs. \$3.00.

No. 14. *Checklist of the Turtles of the World with English Common Names* by John Iverson. 1985. 14 p. \$3.00.

No. 15. *Cannibalism in Reptiles: A World-Wide Review* by Joseph C. Mitchell. 1986. 37 p. \$4.00.

No. 16. *Herpetological Collecting and Collections Management* by John E. Simmons. 1987. 72 p., 6 photographs. \$6.00.

No. 17. *An Annotated List and Guide to the Amphibians and Reptiles of Monteverde, Costa Rica* by Marc P. Hayes, J. Alan Pounds, and Walter W. Timmerman. 1989. 70 p., 32 figures. \$5.00.

No. 18. *Type Catalogues of Herpetological Collections: An Annotated List of Lists* by Charles R. Crumly. 1990. 50 p. \$5.00.

No. 19. *Standard Common and Current Scientific Names for North American Amphibians and Reptiles* (3rd ed.) compiled by Joseph T. Collins (coordinator for SSAR Common and Scientific Names List). 1990. 45 p. \$5.00. (See also numbers 7 and 12.)

No. 20. *Age Determination in Turtles* by George R. Zug. 1991. 32 p., 6 figures. \$5.00.

No. 21. *Longevity of Reptiles and Amphibians in North American Collections* (2nd ed.) by Andrew T. Snider and J. Kevin Bowler. 1992. 44 p. \$5.00. (See also number 6.)

No. 22. *Biology, Status, and Management of the Timber Rattlesnake (Crotalus horridus): A Guide for Conservation* by William S. Brown. 1993. 84 p., 16 color photographs. \$8.00.

### AGE DETERMINATION IN TURTLES



Society for the Study of Amphibians and Reptiles

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Second Edition

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